

Company G. P. Energy, Inc. Lease & Well No. #23 Richerson  
 Elevation 1081 Kelly Bushing Formation Burgess Sand Effective Pay -- Ft. Ticket No. 16626  
 Date 7/30/82 Sec. 13 Twp. 29S Range 12E County Elk State Kansas  
 Test Approved by Thomas J. Depke Western Representative Allen Edgington

Formation Test No. 1 Interval Tested from 1655 ft. to 1681 ft. Total Depth 1681 ft.  
 Packer Depth 1650 ft. Size 5-1/2 in. Packer Depth - ft. Size - in.  
 Packer Depth 1655 ft. Size 5-1/2 in. Packer Depth - ft. Size - in.  
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 1674 ft. Recorder Number 3354 Cap. 4200  
 Bottom Recorder Depth (Outside) 1677 ft. Recorder Number 11019 Cap. 4500  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Bojax Drlg. Rig #1 Drill Collar Length 30 I. D. 2 in.  
 Mud Type chemical Viscosity 37 Weight Pipe Length - I. D. - in.  
 Weight 9.2 Water Loss 15.8 cc. Drill Pipe Length 1626 I. D. 2.7 in.  
 Chlorides 1,400 P.P.M. Test Tool Length 28 ft. Tool Size 4-1/2 in.  
 Jars: Make WIC Serial Number 404 Anchor Length 26 ft. Size 4-1/2  
 Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.  
 Main Hole Size 6 1/4 in. Tool Joint Size 3 1/2 in.

Blow: Very weak for two minutes. Final flow strong for approximately twenty minutes.

Recovered 1 ft. of oil  
 Recovered 80 ft. of very slightly oil cut mud Chlorides 2,000 ppm  
 Recovered        ft. of         
 Recovered        ft. of         
 Recovered        ft. of       

Remarks: Tool plugging pressures inconclusive

Time Set Packer(s) 9:00 A.M. Time Started Off Bottom 11:30 A.M. Maximum Temperature 105°  
 Initial Hydrostatic Pressure (A) 781 P.S.I.  
 Initial Flow Period (B) -- P.S.I. to (C) -- P.S.I.  
 Initial Closed In Period (D) -- P.S.I.  
 Final Flow Period (E) -- P.S.I. to (F) 79 P.S.I.  
 Final Closed In Period (G) 27 Minutes 493 P.S.I.  
 Final Hydrostatic Pressure (H) 776 P.S.I.

**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date 7/30/82

Test Ticket No. 16626

Recorder No. 3354

Capacity 4200

Location 1674 Ft.

Clock No. --

Elevation 1081 Kelly Bushing

Well Temperature 105 °F

Point	Pressure	
A Initial Hydrostatic Mud	<u>781</u>	P.S.I.
B First Initial Flow Pressure	<u>--</u>	P.S.I.
C First Final Flow Pressure	<u>--</u>	P.S.I.
D Initial Closed-in Pressure	<u>--</u>	P.S.I.
E Second Initial Flow Pressure	<u>--</u>	P.S.I.
F Second Final Flow Pressure	<u>79</u>	P.S.I.
G Final Closed-in Pressure	<u>493</u>	P.S.I.
H Final Hydrostatic Mud	<u>776</u>	P.S.I.

	Time Given	Time Computed
9:00A		
30	M	
60	Mins.	-- Mins.
30	Mins.	-- Mins.
30	Mins.	27 Mins.

ALL PRESSURES QUESTIONABLE DUE TO PACKER LEAK

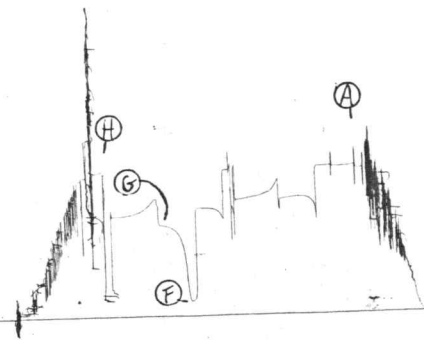
**PRESSURE BREAKDOWN**

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>0</u> Inc.		Breakdown: <u>0</u> Inc.		Breakdown: <u>0</u> Inc.		Breakdown: <u>9</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1						0	79
P 2						3	79
P 3						6	150
P 4						9	361
P 5						12	430
P 6						15	462
P 7						18	477
P 8						21	486
P 9						24	489
P10						27	493
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TKT # 16626

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TKT # 16626

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